

ABSTRACT

A system and method of the present invention for implementing multimedia calls across a private network boundary is provided, the system comprising a public network and at least one private network, and at least the following hardware components: at least one media gateway for connecting with multimedia terminals of various protocols; at least one boundary gateway for connecting the private network and the public network and performing the translation of a private network address and a public network address between each other, wherein each boundary gateway is provide with an unique subnetwork ID to correspond to the private network connected therewith; a call controller for establishing calls and controlling service logics, in which is recorded the correspondence relationship information of all said boundary gateways and the subnetwork IDs; wherein, the call controller processes a call concerning a private network according to the subnetwork ID information. The system and method of the present invention is simple to implement, has high efficiency and wide application range; saves the boundary gateway resources, does not modify the signaling content and retain its integrity; is applicable to the media gateways of various protocols, and has a high adaptability.

Captions of the drawings

200 controller (e.g., Softswitch, media gateway controller, etc.)

100 boundary gateway

300 media gateway

400 telephone

子网 subnetwork

媒体流 media traffic